284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1987

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**GC1**								
Q1987-01	GC1	SOIL	Butylated Hydroxytoluene	*	6.60	J	0	0	ug/Kg
			Total Tics :		6.60				
			Total Concentration:		6.60				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	G Environmental		Date Collected:	05/07/25	
Project:	Hillside		Date Received:	05/08/25	
Client Sample ID:	GC1		SDG No.:	Q1987	
Lab Sample ID:	Q1987-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	86.6	
Sample Wt/Vol:	5 Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022230.D	1		05/12/25 17:19	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.30	U	1.30	5.80	ug/Kg
75-01-4	Vinyl Chloride	0.91	U	0.91	5.80	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.80	ug/Kg
75-00-3	Chloroethane	1.50	U	1.50	5.80	ug/Kg
75-65-0	Tert butyl alcohol	15.8	U	15.8	28.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	5.80	ug/Kg
67-64-1	Acetone	5.50	U	5.50	28.9	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.84	U	0.84	5.80	ug/Kg
75-09-2	Methylene Chloride	4.10	U	4.10	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.99	U	0.99	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.92	U	0.92	5.80	ug/Kg
78-93-3	2-Butanone	7.60	U	7.60	28.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.87	U	0.87	5.80	ug/Kg
67-66-3	Chloroform	0.97	U	0.97	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	5.80	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.91	U	0.91	5.80	ug/Kg
79-01-6	Trichloroethene	0.94	U	0.94	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	5.80	ug/Kg
75-27-4	Bromodichloromethane	0.90	U	0.90	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	28.9	ug/Kg
108-88-3	Toluene	0.90	U	0.90	5.80	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.75	U	0.75	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	0.72	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	5.80	ug/Kg
591-78-6	2-Hexanone	4.30	U	4.30	28.9	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	5.80	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.80	ug/Kg

Raw Data: **VY022230.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/07/25
Project:	Hillside	Date Received:	05/08/25
Client Sample ID:	GC1	SDG No.:	Q1987
Lab Sample ID:	Q1987-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022230.D	1		05/12/25 17:19	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	1.10	U	1.10	5.80	ug/Kg
100-41-4	Ethyl Benzene	0.77	U	0.77	5.80	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.5	ug/Kg
95-47-6	o-Xylene	0.95	U	0.95	5.80	ug/Kg
100-42-5	Styrene	0.82	U	0.82	5.80	ug/Kg
75-25-2	Bromoform	0.99	U	0.99	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.5	*	70 (63) - 130 (155)	131%	SPK: 50
1868-53-7	Dibromofluoromethane	58.3		70 (70) - 130 (134)	117%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		70 (38) - 130 (136)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	7.707			
540-36-3	1,4-Difluorobenzene	262000	8.616			
3114-55-4	Chlorobenzene-d5	235000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	98700	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						
000128-37-0	Butylated Hydroxytoluene	6.60	J		14.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1987-01	GC1	1,2-Dichloroethane-d4	50	65.5	131	*	70 (63)	130 (155)
		Dibromofluoromethane	50	58.3	117		70 (70)	130 (134)
		Toluene-d8	50	52.1	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.2	84		70 (38)	130 (136)
VY0512SBL01	VY0512SBL01	1,2-Dichloroethane-d4	50	61.3	123		70 (63)	130 (155)
		Dibromofluoromethane	50	54.9	110		70 (70)	130 (134)
		Toluene-d8	50	49.5	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.4	85		70 (38)	130 (136)
VY0512SBS01	VY0512SBS01	1,2-Dichloroethane-d4	50	48.1	96		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	50.0	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.6	99		70 (38)	130 (136)
VY0512SBSD01	VY0512SBSD01	1,2-Dichloroethane-d4	50	54.6	109		70 (63)	130 (155)
		Dibromofluoromethane	50	53.4	107		70 (70)	130 (134)
		Toluene-d8	50	53.7	107		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.9	106		70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022210.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0512SBS01	Chloromethane	20	23.4	ug/Kg	117			40 (70)	160 (130)	
	Vinyl chloride	20	22.5	ug/Kg	113			70 (72)	130 (129)	
	Bromomethane	20	27.0	ug/Kg	135			40 (58)	160 (141)	
	Chloroethane	20	23.8	ug/Kg	119			40 (69)	160 (130)	
	Tert butyl alcohol	100	93.9	ug/Kg	94			70 (24)	130 (175)	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	87.6	ug/Kg	88			40 (60)	160 (131)	
	Carbon disulfide	20	19.8	ug/Kg	99			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			70 (77)	130 (129)	
	Methylene Chloride	20	21.4	ug/Kg	107			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.0	ug/Kg	110			70 (82)	130 (123)	
	2-Butanone	100	94.4	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	Chloroform	20	21.8	ug/Kg	109			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Benzene	20	21.4	ug/Kg	107			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.6	ug/Kg	108			70 (81)	130 (126)	
	Trichloroethene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	22.4	ug/Kg	112			70 (83)	130 (122)	
	Bromodichloromethane	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	21.7	ug/Kg	109			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	21.3	ug/Kg	106			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (125)	
	2-Hexanone	100	97.6	ug/Kg	98			40 (66)	160 (138)	
	Dibromochloromethane	20	20.7	ug/Kg	104			70 (79)	130 (125)	
	Tetrachloroethene	20	21.8	ug/Kg	109			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	m/p-Xylenes	40	42.2	ug/Kg	106			70 (83)	130 (124)	
	o-Xylene	20	20.2	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	20.6	ug/Kg	103			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99			70 (77)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022211.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0512SBSD01	Chloromethane	20	23.2	ug/Kg	116	1		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	22.5	ug/Kg	113	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	28.5	ug/Kg	143	6		40 (58)	160 (141)	30 (20)
	Chloroethane	20	25.1	ug/Kg	126	6		40 (69)	160 (130)	30 (20)
	Tert butyl alcohol	100	110	ug/Kg	110	16		70 (24)	130 (175)	30 (20)
	1,1-Dichloroethene	20	20.6	ug/Kg	103	2		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	22		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.9	ug/Kg	100	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.9	ug/Kg	104	8		70 (77)	130 (129)	30 (20)
	Methylene Chloride	20	21.3	ug/Kg	106	1		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	22.5	ug/Kg	113	3		70 (82)	130 (123)	30 (20)
	2-Butanone	100	110	ug/Kg	110	16		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	22.2	ug/Kg	111	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	2		70 (82)	130 (123)	30 (20)
	Chloroform	20	22.6	ug/Kg	113	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109	3		70 (80)	130 (126)	30 (20)
	Benzene	20	22.0	ug/Kg	110	3		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	22.5	ug/Kg	113	5		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.4	ug/Kg	107	3		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	22.7	ug/Kg	114	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.8	ug/Kg	114	4		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		40 (70)	160 (135)	30 (20)
	Toluene	20	22.2	ug/Kg	111	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111	5		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.2	ug/Kg	111	6		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	12		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	22.7	ug/Kg	114	9		70 (79)	130 (125)	30 (20)
	Tetrachloroethene	20	22.4	ug/Kg	112	3		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.5	ug/Kg	108	4		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.6	ug/Kg	103	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.7	ug/Kg	107	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.5	ug/Kg	103	2		70 (83)	130 (123)	30 (20)
	Styrene	20	21.0	ug/Kg	105	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	22.2	ug/Kg	111	10		70 (75)	130 (127)	30 (20)
	1,1,2,2-Tetrachloroethane	20	22.7	ug/Kg	114	14		70 (77)	130 (127)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0512SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022209.D Lab Sample ID: VY0512SBL01

Date Analyzed: 05/12/2025 Time Analyzed: 08:57

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0512SBS01	VY0512SBS01	VY022210.D	05/12/2025
VY0512SBSD01	VY0512SBSD01	VY022211.D	05/12/2025
GC1	Q1987-01	VY022230.D	05/12/2025

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022207.D BFB Injection Date: 05/12/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:56

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17
75	30.0 - 60.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.4 (1.6) 1
174	50.0 - 100.0% of mass 95	84.5
175	5.0 - 9.0% of mass 174	6.3 (7.4) 1
176	95.0 - 101.0% of mass 174	81.5 (96.4) 1
177	5.0 - 9.0% of mass 176	5.2 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022208.D	05/12/2025	08:26
VY0512SBL01	VY0512SBL01	VY022209.D	05/12/2025	08:57
VY0512SBS01	VY0512SBS01	VY022210.D	05/12/2025	09:28
VY0512SBSD01	VY0512SBSD01	VY022211.D	05/12/2025	09:51
GC1	Q1987-01	VY022230.D	05/12/2025	17:19

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022208.D Date Analyzed: 05/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	232841	7.71	342821	8.62	319177	11.42
UPPER LIMIT	465682	8.207	685642	9.115	638354	11.92
LOWER LIMIT	116421	7.207	171411	8.115	159589	10.92
EPA SAMPLE NO.						
GC1	139918	7.71	261915	8.62	235241	11.41
VY0512SBL01	193895	7.71	329289	8.62	290502	11.42
VY0512SBS01	216652	7.71	334827	8.62	309772	11.42
VY0512SBSD01	216263	7.71	338089	8.62	309790	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022208.D Date Analyzed: 05/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	176689	13.346				
UPPER LIMIT	353378	13.846				
LOWER LIMIT	88344.5	12.846				
EPA SAMPLE NO.						
GC1	98718	13.35				
VY0512SBL01	128920	13.35				
VY0512SBS01	169523	13.35				
VY0512SBSD01	162833	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBL01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022209.D	1		05/12/25 08:57	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Raw Data: **VY022209.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBL01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022209.D	1		05/12/25 08:57	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.3		70 (63) - 130 (155)	123%	SPK: 50
1868-53-7	Dibromofluoromethane	54.9		70 (70) - 130 (134)	110%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		70 (38) - 130 (136)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	7.707			
540-36-3	1,4-Difluorobenzene	329000	8.615			
3114-55-4	Chlorobenzene-d5	291000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBS01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022210.D	1		05/12/25 09:28	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	23.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	27.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	23.8		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	93.9		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	87.6		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.0		0.80	5.00	ug/Kg
78-93-3	2-Butanone	94.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.7		0.75	5.00	ug/Kg
67-66-3	Chloroform	21.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.7		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.8		1.10	5.00	ug/Kg

Raw Data: **VY022210.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBS01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022210.D	1		05/12/25 09:28	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		70 (38) - 130 (136)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	7.707			
540-36-3	1,4-Difluorobenzene	335000	8.615			
3114-55-4	Chlorobenzene-d5	310000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBSD01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022211.D	1		05/12/25 09:51	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	23.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	25.1		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	110		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.9		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.5		0.80	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
67-66-3	Chloroform	22.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.7		0.93	5.00	ug/Kg
71-43-2	Benzene	22.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	22.2		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.7		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.4		1.10	5.00	ug/Kg

Raw Data: **VY022211.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBSD01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022211.D	1		05/12/25 09:51	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	21.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.5		0.82	5.00	ug/Kg
100-42-5	Styrene	21.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.2		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.7		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	53.7		70 (74) - 130 (123)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (38) - 130 (136)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	216000	7.713			
540-36-3	1,4-Difluorobenzene	338000	8.616			
3114-55-4	Chlorobenzene-d5	310000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Tert butyl alcohol	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.4
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date/Time: 05/12/2025 08:26

Lab File ID: VY022208.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.607	0.540	0.1	-11.04	20
Vinyl Chloride	0.745	0.725		-2.68	20
Bromomethane	0.642	0.556		-13.4	20
Chloroethane	0.508	0.512		0.79	20
Tert butyl alcohol	0.025	0.022		-12	20
1,1-Dichloroethene	0.497	0.472		-5.03	20
Acetone	0.070	0.064		-8.57	20
Carbon Disulfide	1.585	1.449		-8.58	20
Methyl tert-butyl Ether	1.113	1.089		-2.16	20
Methylene Chloride	0.584	0.542		-7.19	20
trans-1,2-Dichloroethene	0.557	0.550		-1.26	20
1,1-Dichloroethane	0.893	0.921	0.1	3.13	20
2-Butanone	0.105	0.102		-2.86	20
Carbon Tetrachloride	0.530	0.587		10.76	20
cis-1,2-Dichloroethene	0.622	0.625		0.48	20
Chloroform	0.990	1.025		3.54	20
1,1,1-Trichloroethane	0.896	0.927		3.46	20
Benzene	1.387	1.497		7.93	20
1,2-Dichloroethane	0.343	0.372		8.45	20
Trichloroethene	0.384	0.403		4.95	20
1,2-Dichloropropane	0.307	0.343		11.73	20
Bromodichloromethane	0.480	0.533		11.04	20
4-Methyl-2-Pentanone	0.160	0.175		9.38	20
Toluene	0.898	1.011		12.58	20
t-1,3-Dichloropropene	0.411	0.443		7.79	20
cis-1,3-Dichloropropene	0.489	0.535		9.41	20
1,1,2-Trichloroethane	0.256	0.273		6.64	20
2-Hexanone	0.106	0.114		7.55	20
Dibromochloromethane	0.355	0.383		7.89	20
Tetrachloroethene	0.472	0.488		3.39	20
Chlorobenzene	1.118	1.194	0.3	6.8	20
Ethyl Benzene	1.829	2.027		10.83	20
m/p-Xylenes	0.728	0.816		12.09	20
o-Xylene	0.671	0.747		11.33	20
Styrene	1.126	1.288		14.39	20
Bromoform	0.229	0.241	0.1	5.24	20
1,1,2,2-Tetrachloroethane	0.563	0.567	0.3	0.71	20
1,2-Dichloroethane-d4	0.462	0.442		-4.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date/Time: 05/12/2025 08:26

Lab File ID: VY022208.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.330	0.337		2.12	20
Toluene-d8	1.245	1.296		4.1	20
4-Bromofluorobenzene	0.419	0.438		4.53	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Time: May 13 02:24:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	139918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	235241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84641	65.491	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.980%			
35) Dibromofluoromethane	7.634	113	100873	58.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.600%			
50) Toluene-d8	10.103	98	339991	52.119	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.408	95	92585	42.160	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.320%			

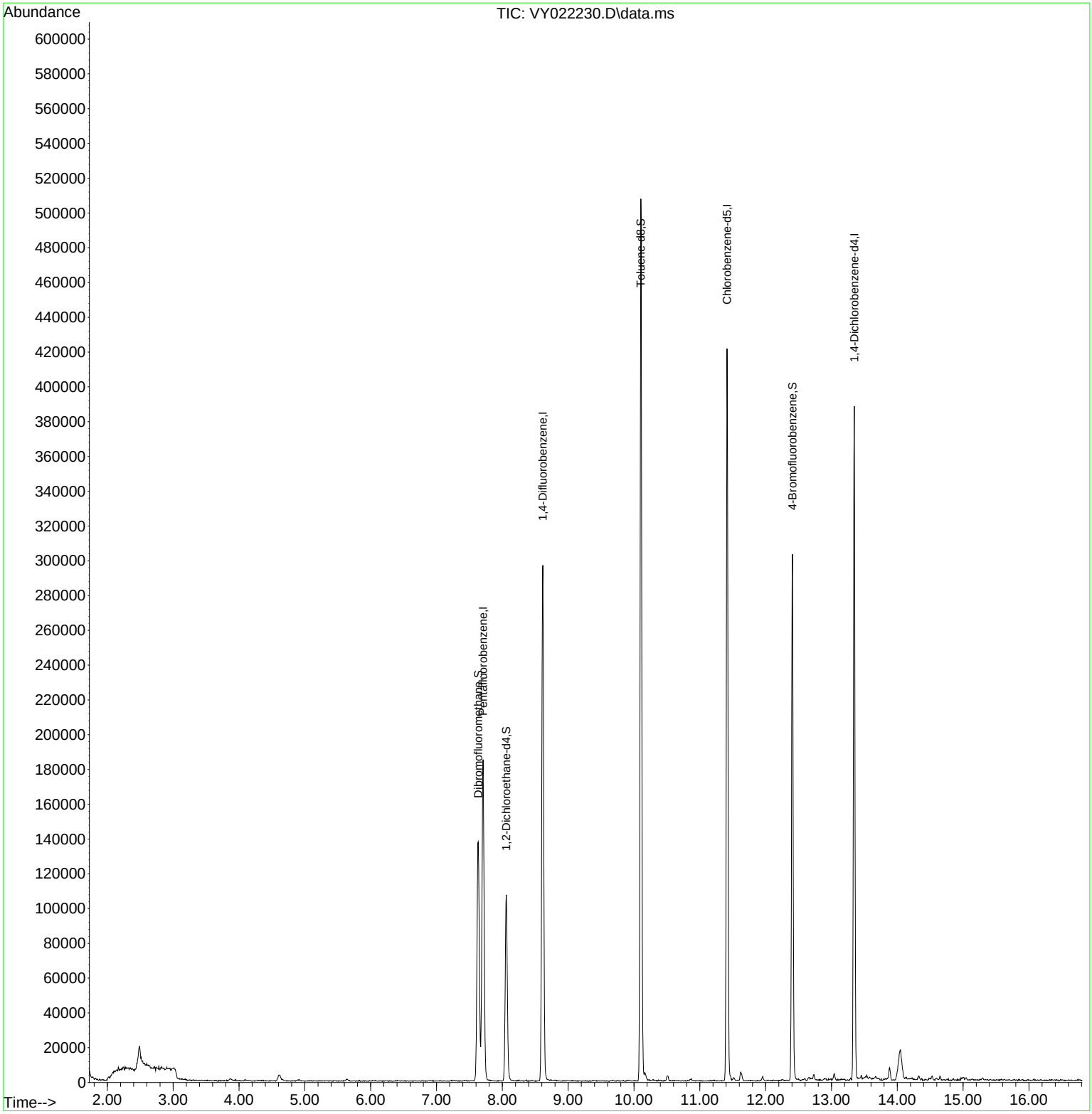
Target Compounds Qvalue

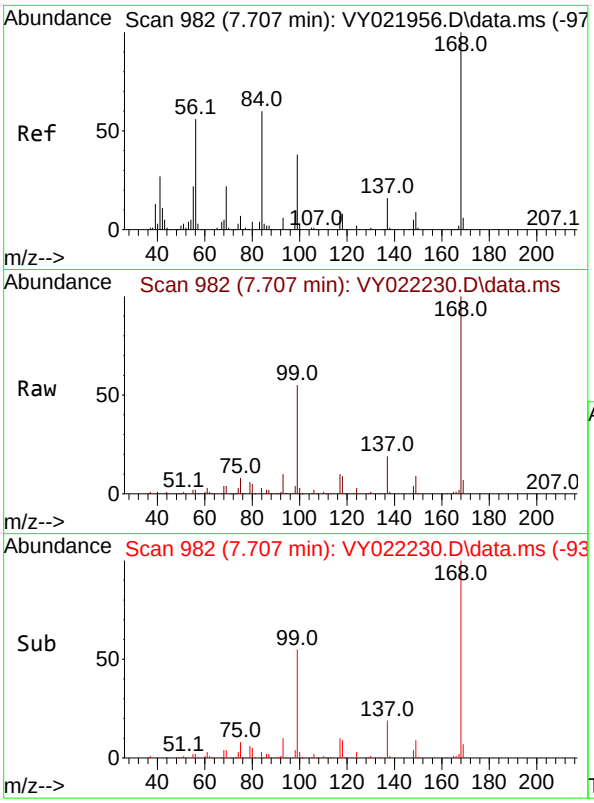
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Time: May 13 02:24:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



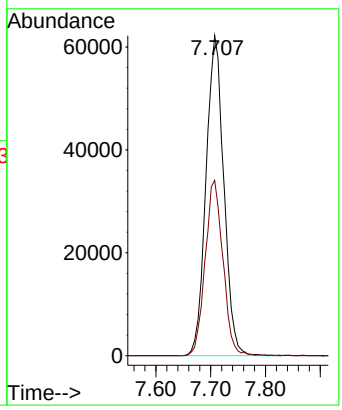


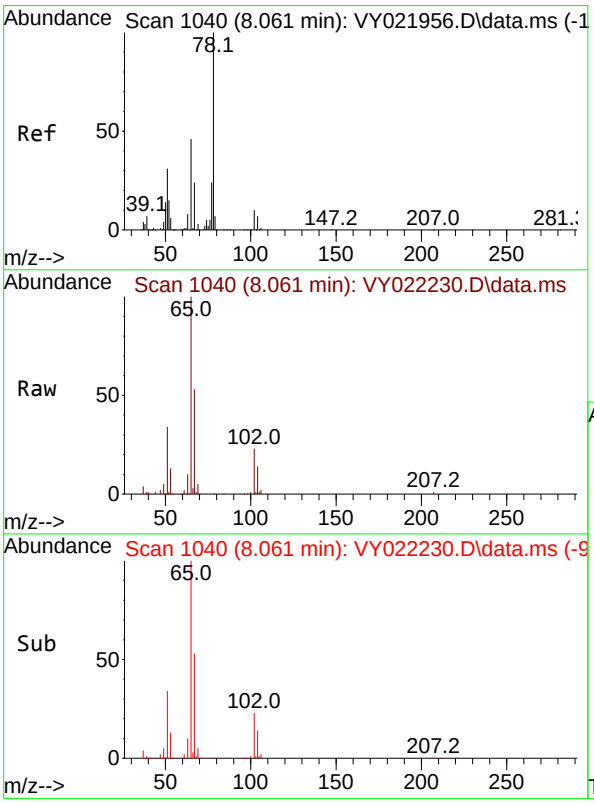
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion:168 Resp: 139918

Ion	Ratio	Lower	Upper
168	100		
99	54.8	43.1	64.7

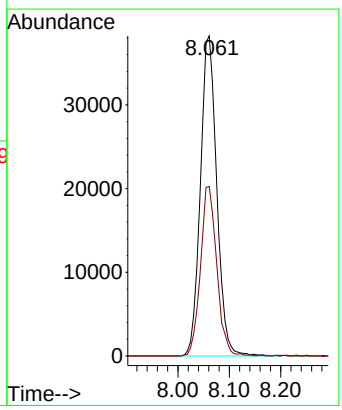


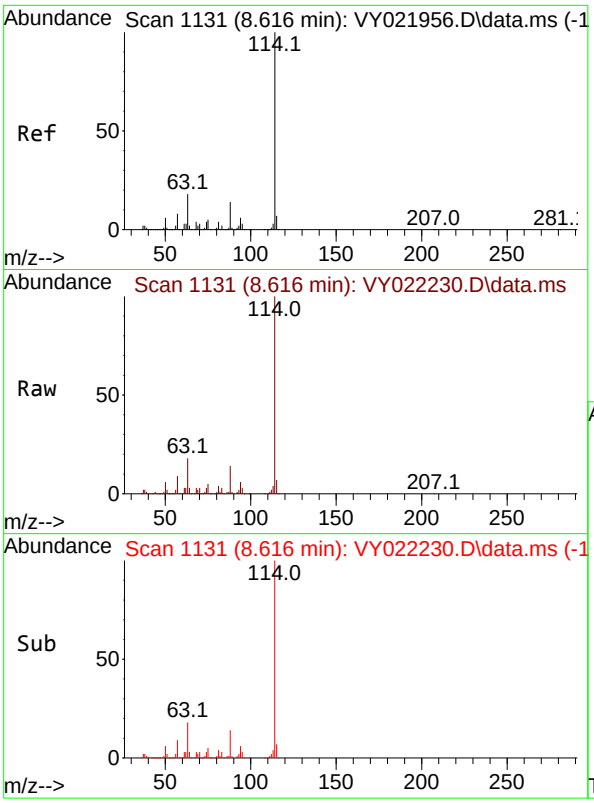


#33
1,2-Dichloroethane-d4
Concen: 65.491 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 65 Resp: 84641

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.8



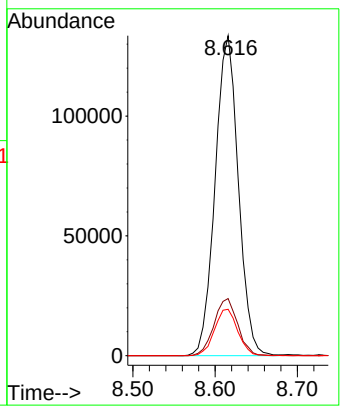


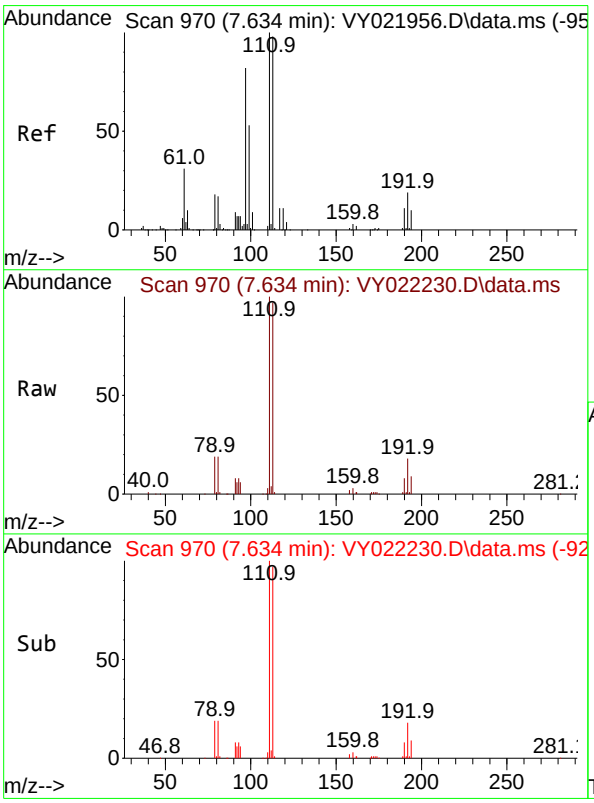
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion:114 Resp: 261915

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.4
88	14.5	0.0	28.2

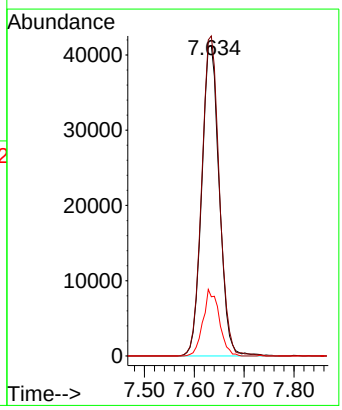


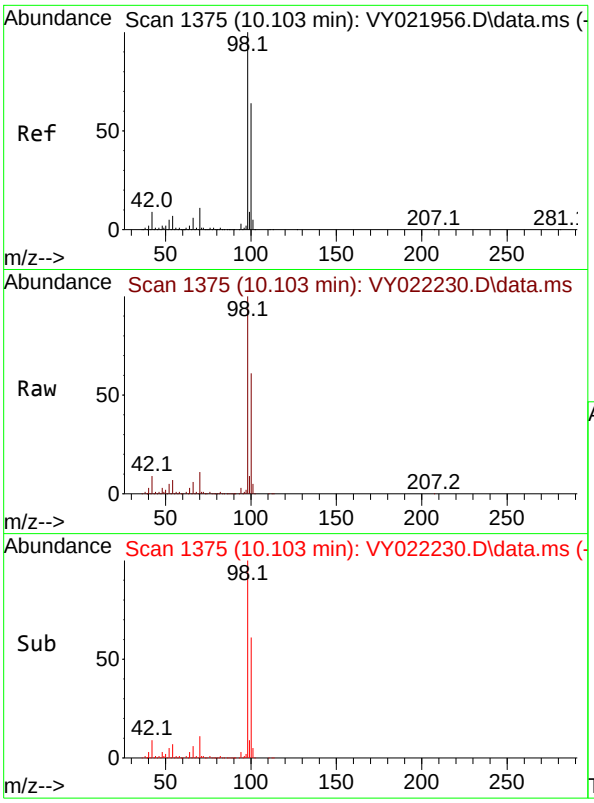


#35
Dibromofluoromethane
Concen: 58.296 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion:113 Resp: 100873

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	19.8	15.6	23.4



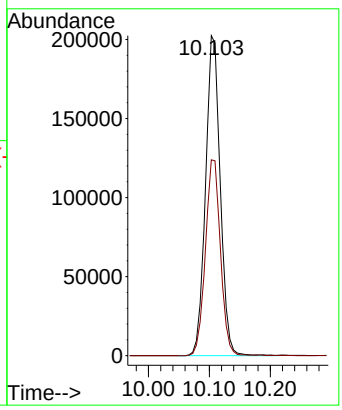


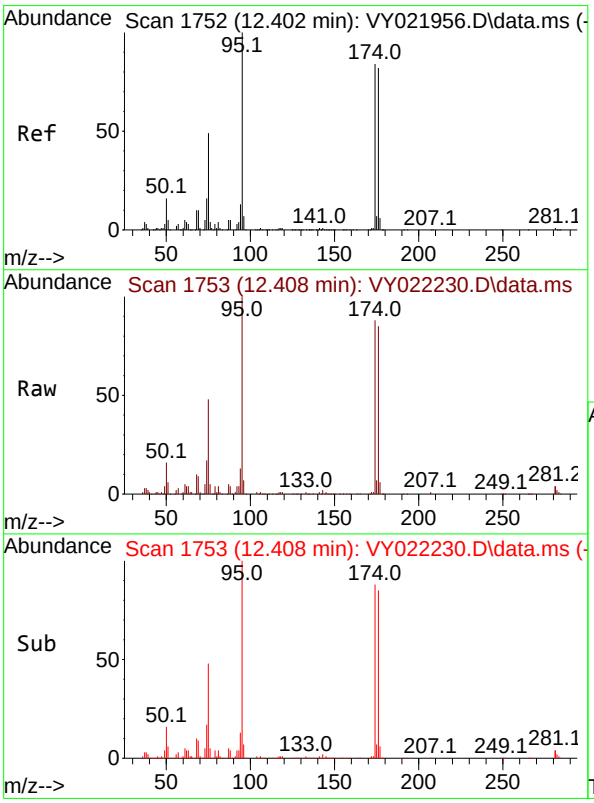
#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion: 98 Resp: 339991

Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.6	77.4

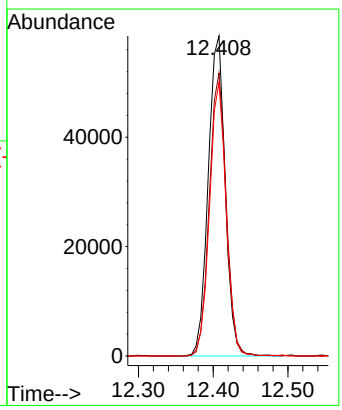


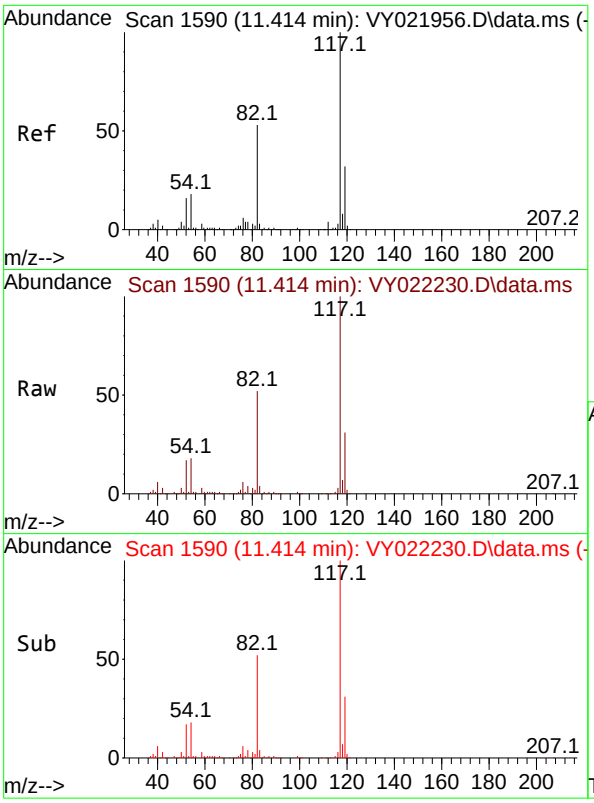


#62
4-Bromofluorobenzene
Concen: 42.160 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 95 Resp: 92585

Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	179.0
176	83.7	0.0	171.8



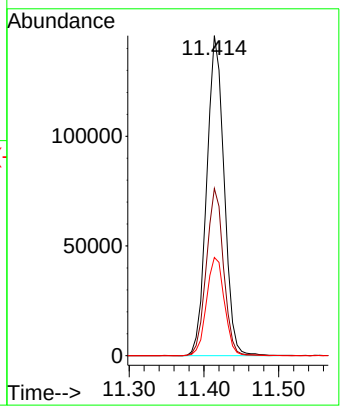


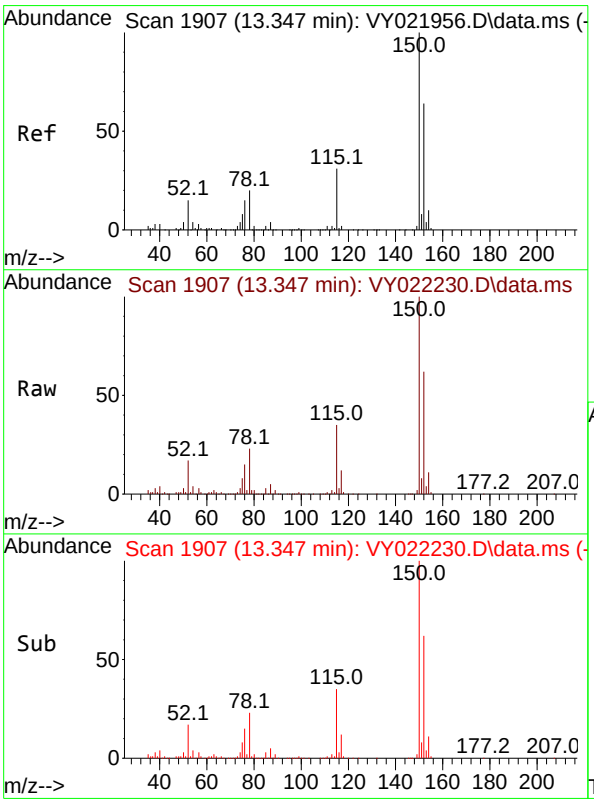
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion:117 Resp: 235241

Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.1	63.1
119	30.7	25.7	38.5

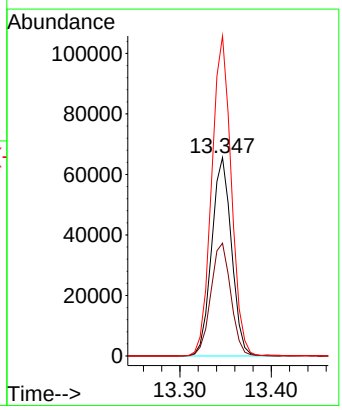




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion:152 Resp: 98718

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.0	84.0
150	159.3	0.0	345.6



Sample Results: **VY022230.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022230.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	117	126	132	rBV8	12982	39462	4.56%	0.902%
2	4.610	468	474	480	rBV6	3094	8767	1.01%	0.200%
3	7.634	959	970	976	rBV	137423	338265	39.10%	7.735%
4	7.707	976	982	994	rVB	184338	416502	48.14%	9.524%
5	8.061	1030	1040	1055	rBV	107177	240768	27.83%	5.505%
6	8.616	1123	1131	1142	rBV	296422	595664	68.85%	13.620%
7	10.103	1367	1375	1383	rBV	507381	865154	100.00%	19.783%
8	11.414	1582	1590	1602	rBV	421058	686412	79.34%	15.695%
9	11.621	1620	1624	1632	rVB4	5043	10365	1.20%	0.237%
10	12.408	1743	1753	1763	rBV	302807	497876	57.55%	11.384%
11	13.347	1900	1907	1918	rBV	387448	593195	68.57%	13.564%
12	13.883	1990	1995	2001	rVB3	7465	12977	1.50%	0.297%
13	14.048	2008	2022	2032	rBV5	17464	67903	7.85%	1.553%

Sum of corrected areas: 4373310

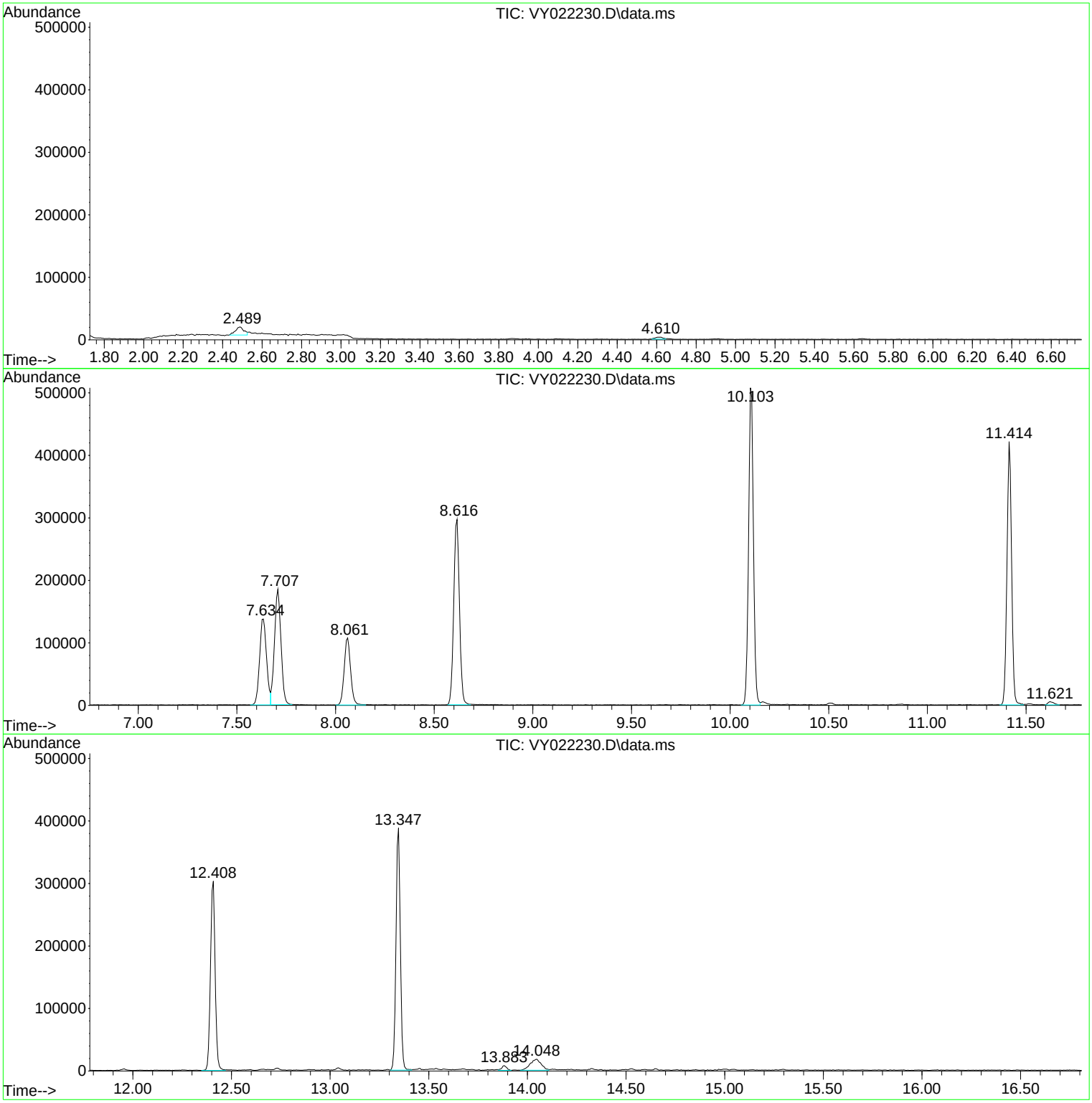
Sample Results: **VY022230.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

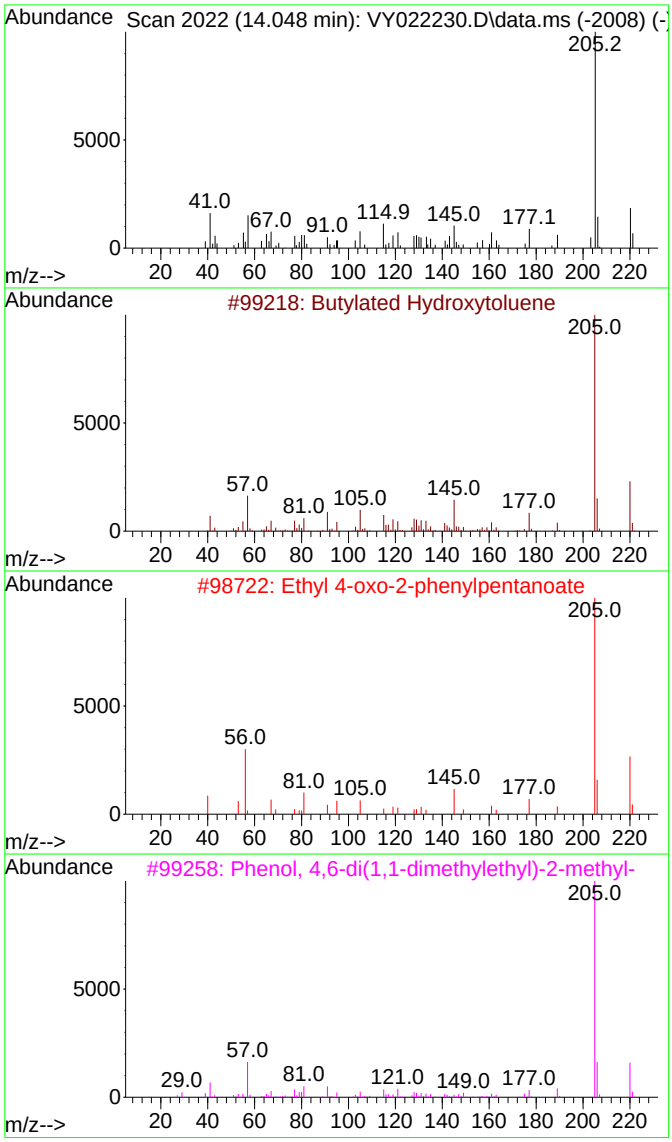
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

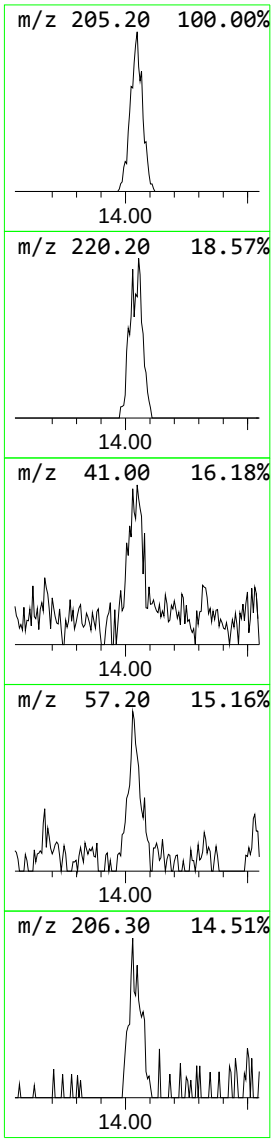
****

Peak Number 1 Butylated Hydroxytoluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.048	5.72 ug/l	67903	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	95
2	Ethyl 4-oxo-2-phenylpentanoate	220	C13H16O3	1000427-11-2	81
3	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	74
4	6-Methyl-1H,6H,7H-pyrrolo[2,3-c]...	220	C11H16N2OSi	1000504-47-6	72
5	Phenol, 2,6-bis(1,1-dimethylethy...	277	C17H27NO2	001918-11-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butylated Hydro...	14.048	5.7	ug/l	67903	4	13.347	593195	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Time: May 13 02:14:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

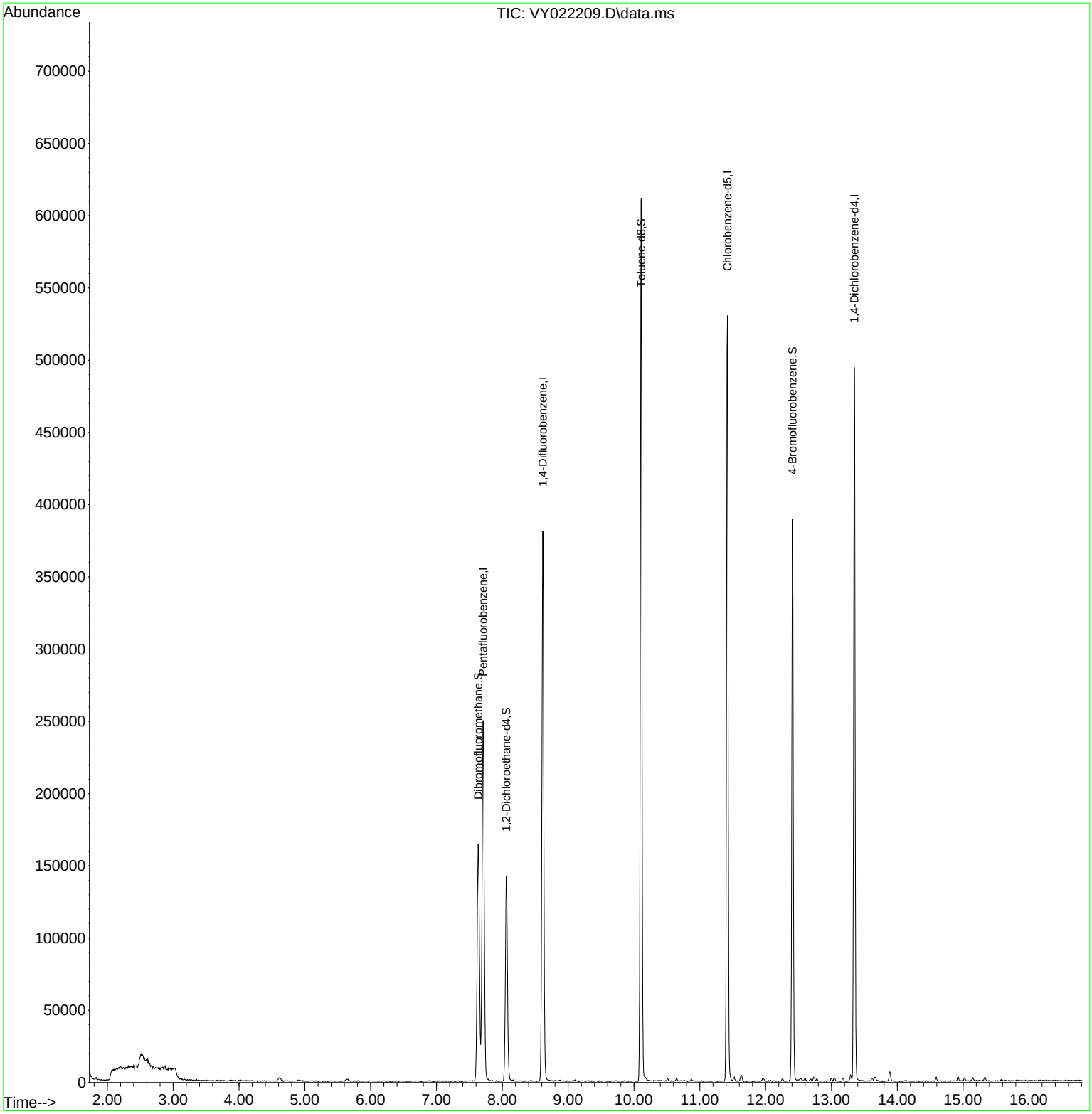
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	193895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	329289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	290502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109786	61.300	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.600%			
35) Dibromofluoromethane	7.634	113	119443	54.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.800%			
50) Toluene-d8	10.109	98	406054	49.510	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.020%			
62) 4-Bromofluorobenzene	12.407	95	117168	42.438	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.880%			
Target Compounds						Qvalue

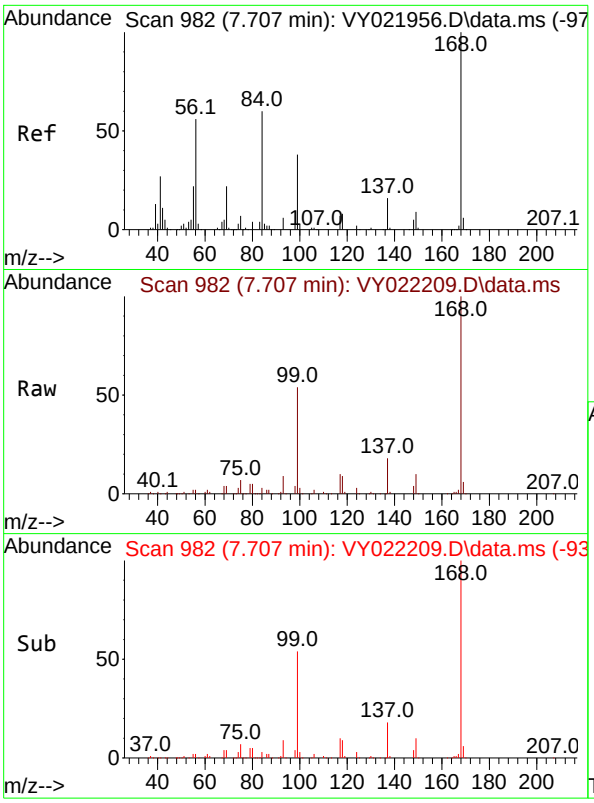
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Time: May 13 02:14:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



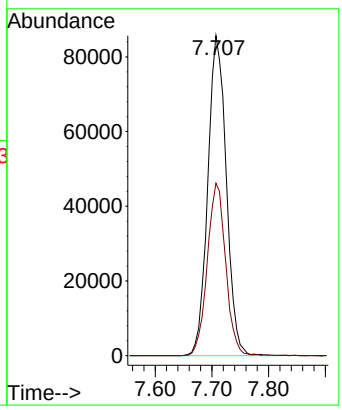


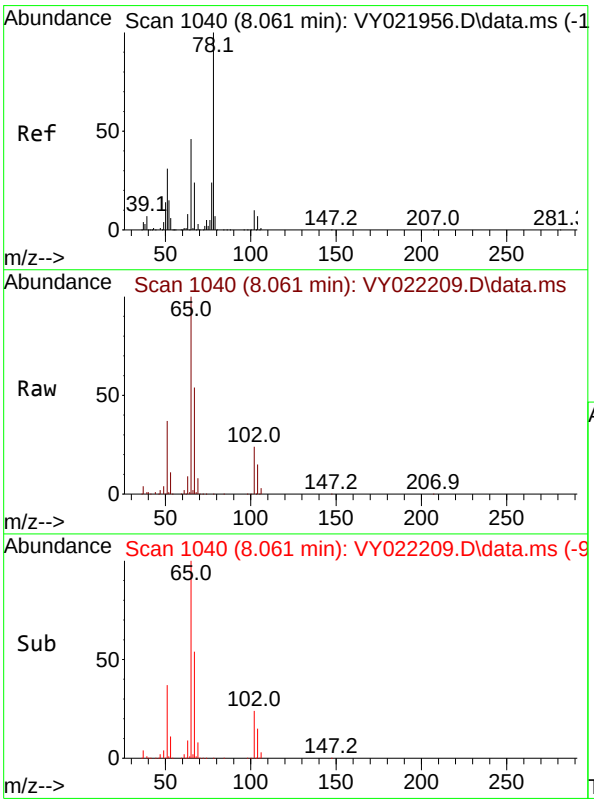
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:168 Resp: 193895

Ion	Ratio	Lower	Upper
168	100		
99	53.9	43.1	64.7

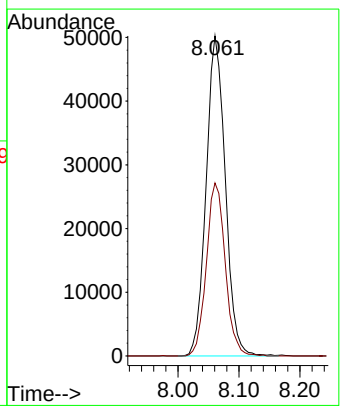


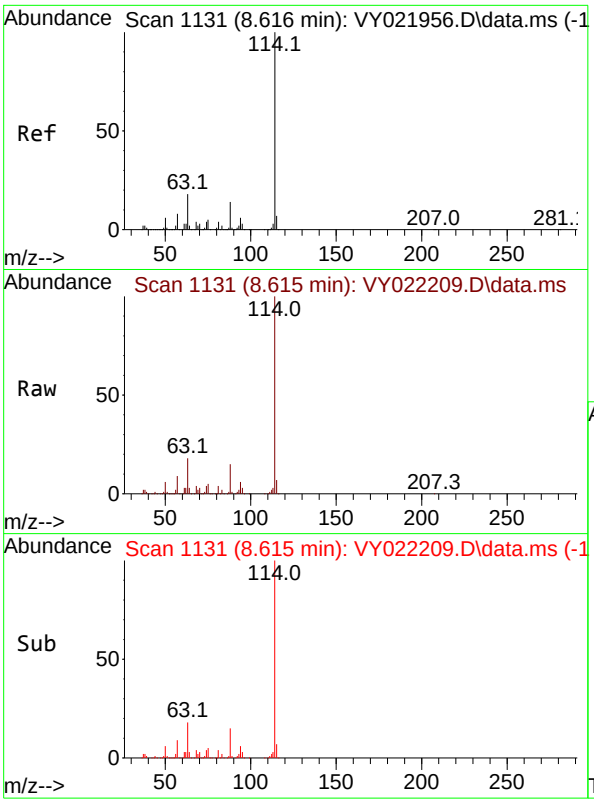


#33
1,2-Dichloroethane-d4
Concen: 61.300 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion: 65 Resp: 109786

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8



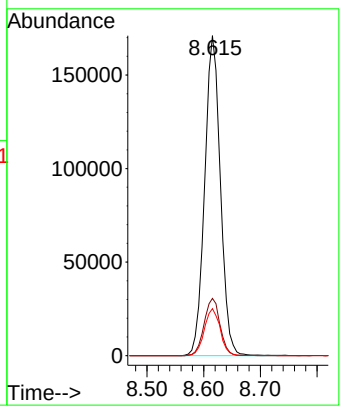


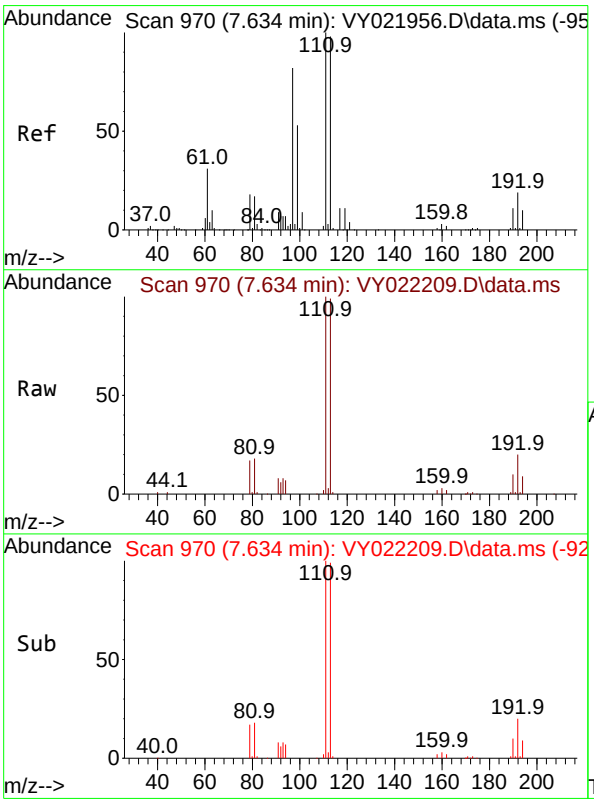
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:114 Resp: 329289

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.4
88	14.7	0.0	28.2

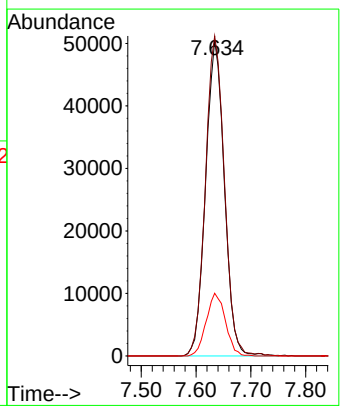


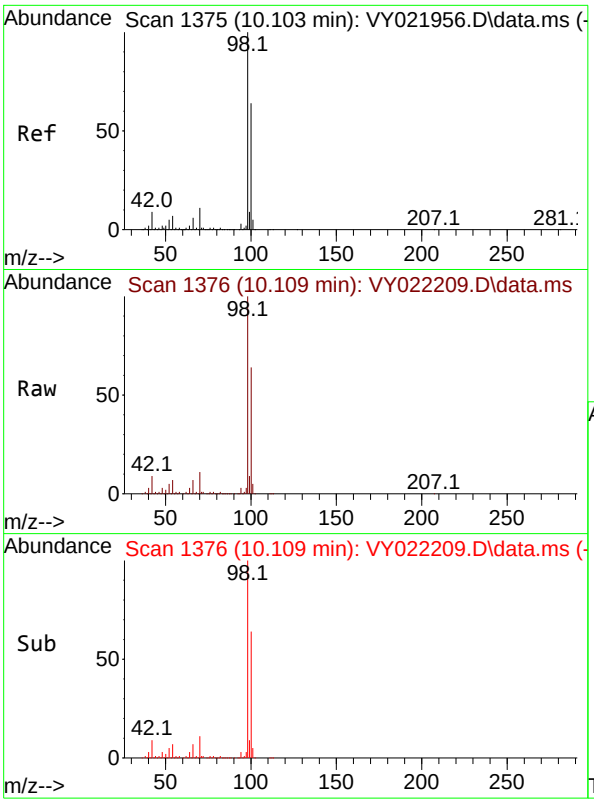


#35
Dibromofluoromethane
Concen: 54.905 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion:113 Resp: 119443

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	20.4	15.6	23.4



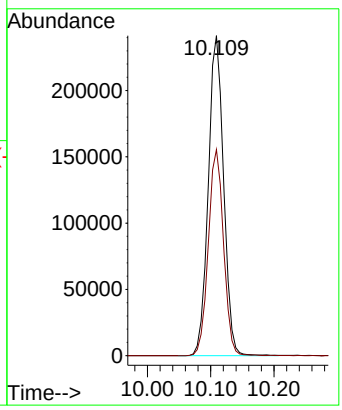


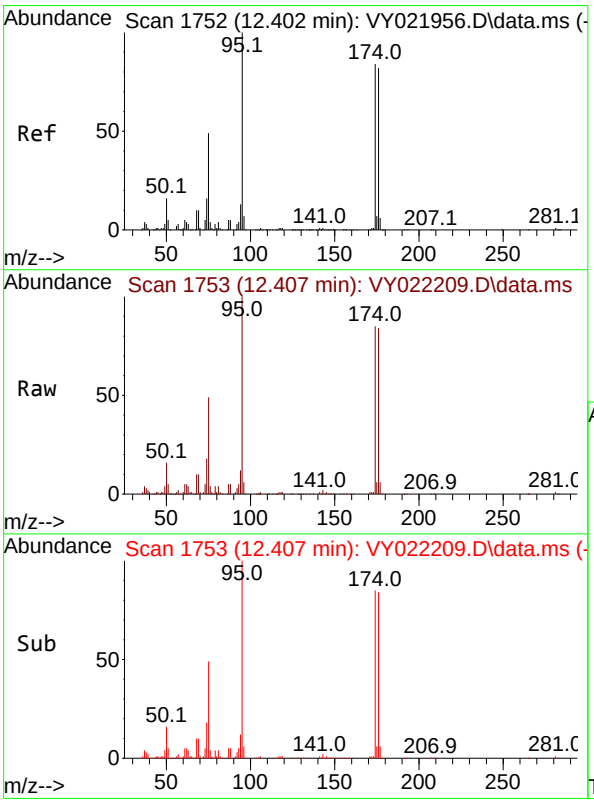
#50
Toluene-d8
Concen: 49.510 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion: 98 Resp: 406054

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4

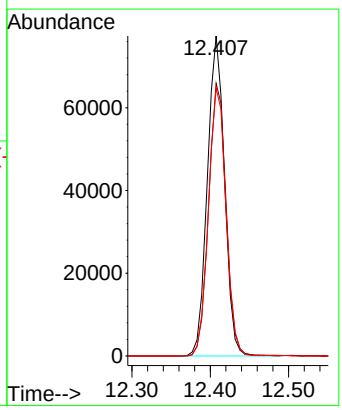


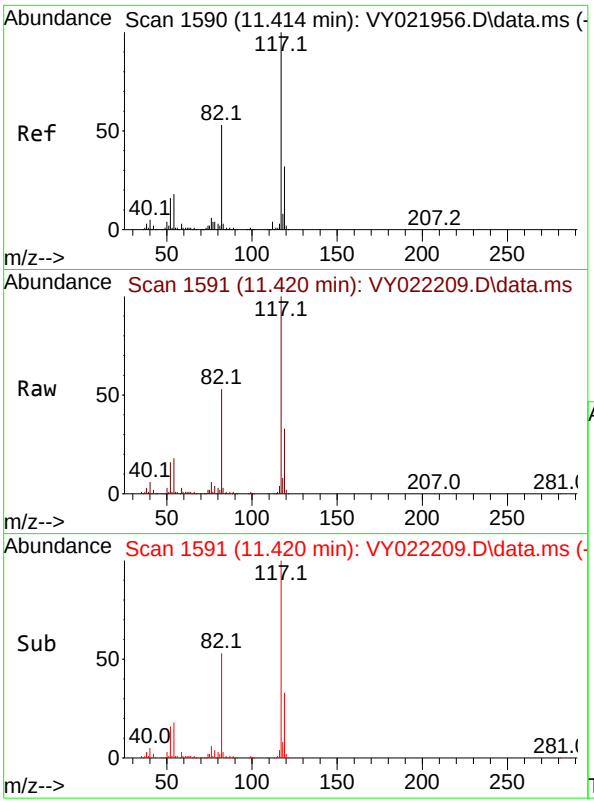


#62
4-Bromofluorobenzene
Concen: 42.438 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion: 95 Resp: 117168

Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	179.0
176	85.8	0.0	171.8



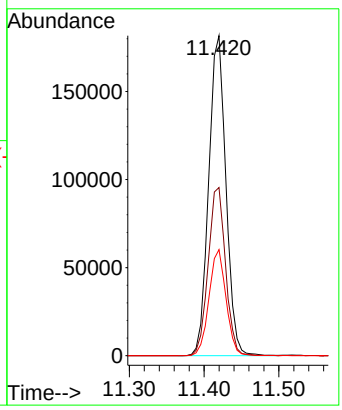


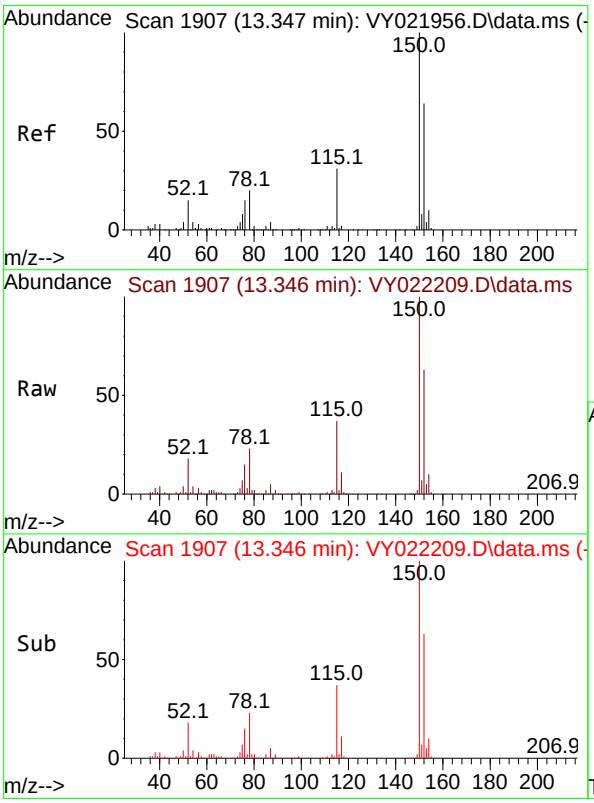
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:117 Resp: 290502

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	33.2	25.7	38.5

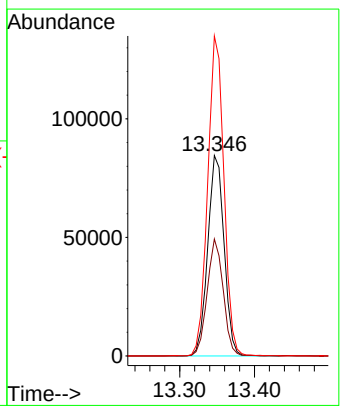




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion:152 Resp: 128920

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	84.0
150	157.7	0.0	345.6



Sample Results: **VY022209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022209.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	48	58	60	rBV5	7329	18017	1.74%	0.339%
2	2.519	121	131	132	rBV9	9653	24333	2.35%	0.458%
3	7.634	961	970	976	rBV	163940	394198	38.00%	7.419%
4	7.707	976	982	994	rVB	248740	561167	54.09%	10.562%
5	8.061	1031	1040	1052	rBV	142041	311105	29.99%	5.855%
6	8.615	1122	1131	1145	rBV	381015	738493	71.18%	13.900%
7	10.109	1368	1376	1393	rBV	610809	1037482	100.00%	19.527%
8	11.420	1583	1591	1602	rBV	529985	858241	82.72%	16.153%
9	12.407	1746	1753	1764	rBV	389408	606739	58.48%	11.420%
10	13.346	1901	1907	1919	rVB	493912	751957	72.48%	14.153%
11	13.883	1989	1995	2001	rBV2	6393	11308	1.09%	0.213%

Sum of corrected areas: 5313040

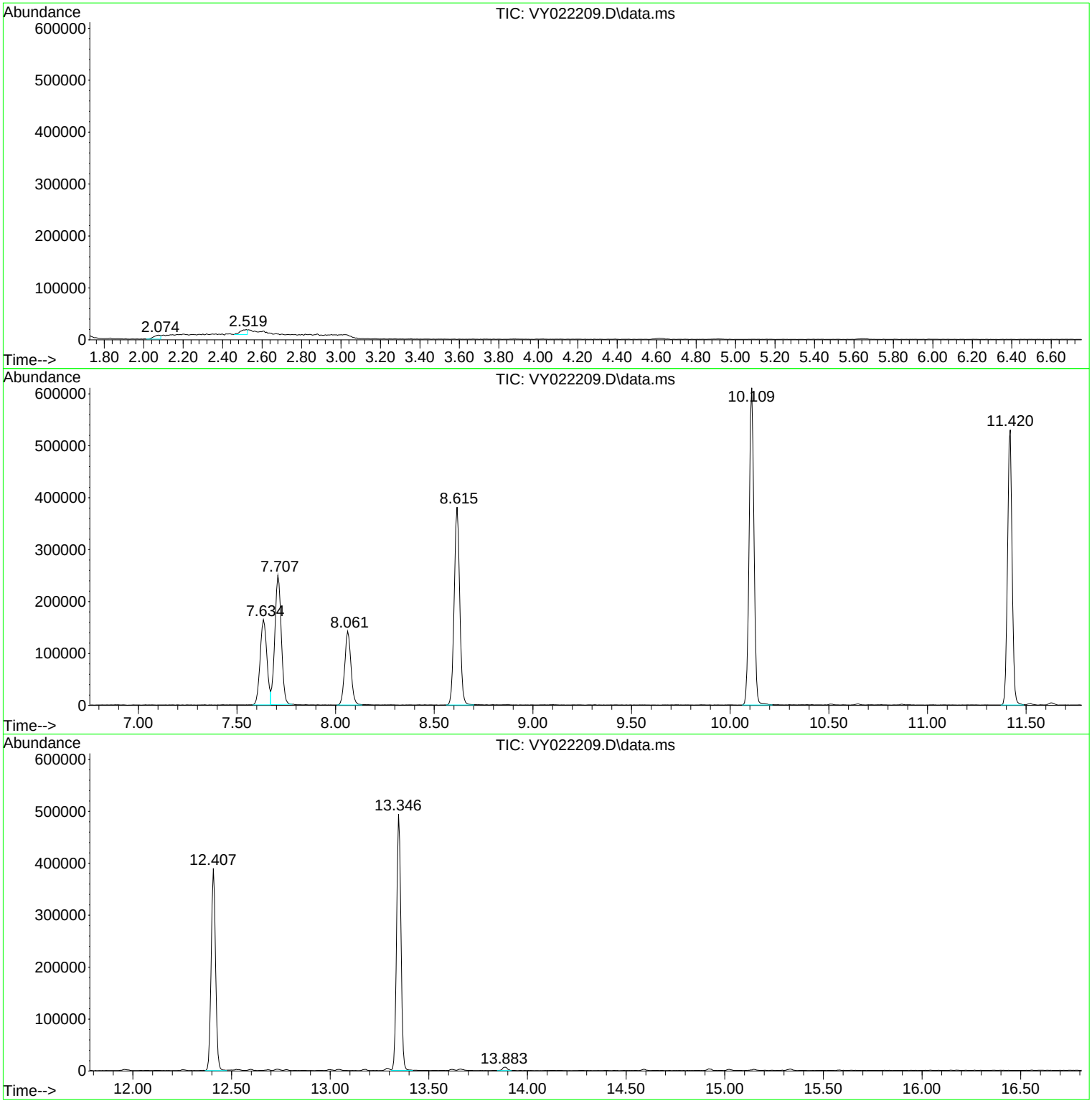
Sample Results: **VY022209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	216652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	334827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	309772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96365	48.154	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.300%			
35) Dibromofluoromethane	7.634	113	109386	49.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.900%			
50) Toluene-d8	10.109	98	416832	49.983	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.407	95	139167	49.572	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33338	18.059	ug/l	100
3) Chloromethane	2.068	50	61474	23.386	ug/l	98
4) Vinyl Chloride	2.202	62	72681	22.500	ug/l	99
5) Bromomethane	2.592	94	75100	26.986	ug/l	98
6) Chloroethane	2.732	64	52359	23.800	ug/l	96
7) Trichlorofluoromethane	3.055	101	92725	21.769	ug/l	98
8) Diethyl Ether	3.458	74	21778	19.644	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	47784	20.680	ug/l	99
10) Methyl Iodide	4.000	142	50207	18.767	ug/l	97
11) Tert butyl alcohol	4.884	59	10317	93.908	ug/l	100
12) 1,1-Dichloroethene	3.787	96	43298	20.103	ug/l	92
13) Acrolein	3.659	56	6549	33.213	ug/l	96
14) Allyl chloride	4.378	41	52950	21.114	ug/l	95
15) Acrylonitrile	5.061	53	40784	100.485	ug/l	98
16) Acetone	3.879	43	26569	87.553	ug/l	99
17) Carbon Disulfide	4.104	76	135674	19.757	ug/l	99
18) Methyl Acetate	4.391	43	23514	25.154	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	92141	19.114	ug/l	98
20) Methylene Chloride	4.610	84	54110	21.384	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	49277	20.429	ug/l	88
22) Diisopropyl ether	6.018	45	120272	21.551	ug/l	96
23) Vinyl Acetate	5.964	43	295364	98.202	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85086	21.995	ug/l	99
25) 2-Butanone	6.902	43	43050	94.375	ug/l	94
26) 2,2-Dichloropropane	6.884	77	74872	22.083	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55842	20.705	ug/l	97
28) Bromochloromethane	7.244	49	33561	22.336	ug/l	94
29) Tetrahydrofuran	7.268	42	29008	97.912	ug/l	98
30) Chloroform	7.421	83	93637	21.822	ug/l	97
31) Cyclohexane	7.701	56	65954	19.937	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	82451	21.239	ug/l	98
36) 1,1-Dichloropropene	7.835	75	62108	20.902	ug/l	99
37) Ethyl Acetate	6.994	43	19542	18.312	ug/l	97
38) Carbon Tetrachloride	7.817	117	75551	21.278	ug/l	98
39) Methylcyclohexane	9.109	83	72328	19.343	ug/l	95
40) Benzene	8.079	78	199040	21.429	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	9484	16.257	ug/l	#	74
42) 1,2-Dichloroethane	8.158	62	49678	21.602	ug/l		97
43) Isopropyl Acetate	8.201	43	42041	20.514	ug/l		98
44) Trichloroethene	8.865	130	53821	20.920	ug/l		96
45) 1,2-Dichloropropane	9.140	63	45998	22.394	ug/l		96
46) Dibromomethane	9.231	93	26246	20.412	ug/l		98
47) Bromodichloromethane	9.426	83	69942	21.774	ug/l		98
48) Methyl methacrylate	9.225	41	19057	20.115	ug/l		96
49) 1,4-Dioxane	9.250	88	5178	377.821	ug/l	#	89
51) 4-Methyl-2-Pentanone	9.999	43	108711	101.190	ug/l		96
52) Toluene	10.170	92	130578	21.718	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	58755	21.325	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	69165	21.118	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	35987	20.952	ug/l		97
56) Ethyl methacrylate	10.438	69	35918	18.287	ug/l		96
57) 1,3-Dichloropropane	10.719	76	58731	21.330	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	91818	95.610	ug/l		99
59) 2-Hexanone	10.761	43	69173	97.618	ug/l		95
60) Dibromochloromethane	10.914	129	49162	20.674	ug/l		98
61) 1,2-Dibromoethane	11.017	107	32476	20.028	ug/l		98
64) Tetrachloroethene	10.646	164	63571	21.754	ug/l		97
65) Chlorobenzene	11.444	112	144043	20.794	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	51404	21.078	ug/l		99
67) Ethyl Benzene	11.524	91	229545	20.256	ug/l		96
68) m/p-Xylenes	11.627	106	190495	42.246	ug/l		98
69) o-Xylene	11.956	106	83841	20.173	ug/l		100
70) Styrene	11.969	104	143576	20.575	ug/l		99
71) Bromoform	12.133	173	28346	19.992	ug/l	#	98
73) Isopropylbenzene	12.255	105	221453	19.553	ug/l		99
74) N-amyl acetate	12.072	43	34726	17.846	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	37598	19.690	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	29981m	20.647	ug/l		
77) Bromobenzene	12.536	156	57609	20.130	ug/l		98
78) n-propylbenzene	12.596	91	274074	20.320	ug/l		99
79) 2-Chlorotoluene	12.682	91	160546	20.467	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	188921	20.245	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11626	19.281	ug/l		96
82) 4-Chlorotoluene	12.779	91	168905	20.714	ug/l		99
83) tert-Butylbenzene	12.999	119	160123	19.132	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	190789	20.440	ug/l		99
85) sec-Butylbenzene	13.176	105	247586	20.216	ug/l		99
86) p-Isopropyltoluene	13.291	119	208057	20.006	ug/l		98
87) 1,3-Dichlorobenzene	13.291	146	119746	20.601	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	116013	20.152	ug/l		99
89) n-Butylbenzene	13.621	91	182357	19.618	ug/l		98
90) Hexachloroethane	13.883	117	47589	20.828	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	102757	20.269	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5748	18.920	ug/l		90
93) 1,2,4-Trichlorobenzene	14.919	180	54134	18.843	ug/l		100
94) Hexachlorobutadiene	15.023	225	35674	20.182	ug/l		97
95) Naphthalene	15.145	128	80621	16.893	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	45853	18.490	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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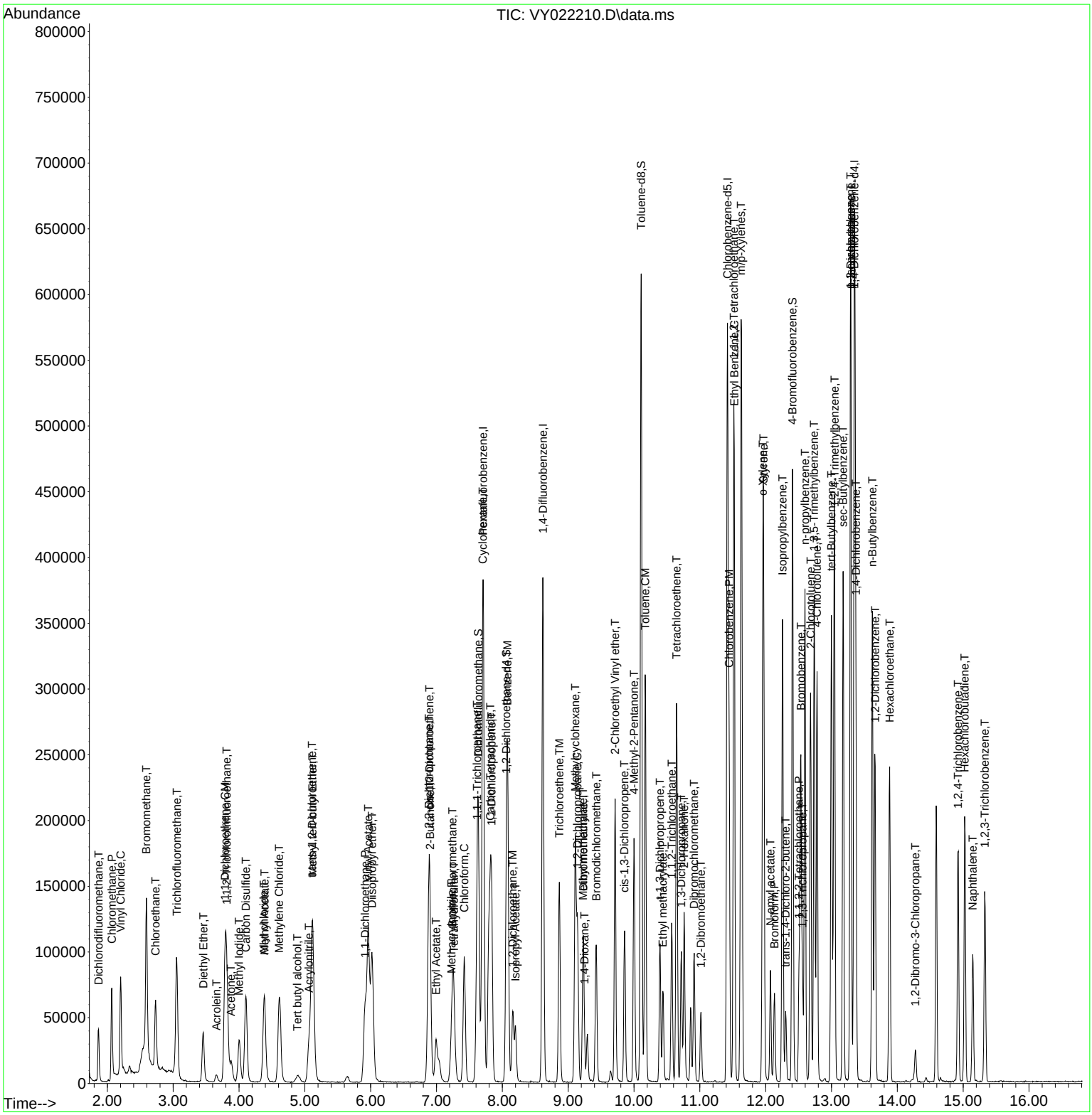
Quant Time: May 13 02:15:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	216263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	338089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	309790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109166	54.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.300%			
35) Dibromofluoromethane	7.640	113	119160	53.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.700%			
50) Toluene-d8	10.109	98	451944	53.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.408	95	149962	52.902	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	36373	19.738	ug/l	96
3) Chloromethane	2.068	50	60978	23.239	ug/l	100
4) Vinyl Chloride	2.202	62	72683	22.541	ug/l	99
5) Bromomethane	2.592	94	79139	28.488	ug/l	98
6) Chloroethane	2.733	64	55086	25.085	ug/l	99
7) Trichlorofluoromethane	3.050	101	93668	22.030	ug/l	96
8) Diethyl Ether	3.452	74	23346	21.096	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	50787	22.019	ug/l	98
10) Methyl Iodide	4.007	142	53890	20.180	ug/l	98
11) Tert butyl alcohol	4.897	59	11721	106.879	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	44237	20.576	ug/l	96
13) Acrolein	3.653	56	7643	38.831	ug/l	99
14) Allyl chloride	4.385	41	54138	21.627	ug/l	96
15) Acrylonitrile	5.067	53	45636	112.642	ug/l	96
16) Acetone	3.885	43	30820	105.529	ug/l	95
17) Carbon Disulfide	4.104	76	136650	19.935	ug/l	98
18) Methyl Acetate	4.391	43	22051	23.632	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	100357	20.856	ug/l	96
20) Methylene Chloride	4.610	84	53749	21.279	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	50618	21.023	ug/l	95
22) Diisopropyl ether	6.019	45	126733	22.749	ug/l	94
23) Vinyl Acetate	5.964	43	332390	110.711	ug/l	99
24) 1,1-Dichloroethane	5.915	63	86946	22.516	ug/l	99
25) 2-Butanone	6.903	43	48902	107.397	ug/l	97
26) 2,2-Dichloropropane	6.884	77	74166	21.914	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56982	21.166	ug/l	97
28) Bromochloromethane	7.244	49	33757	22.507	ug/l	95
29) Tetrahydrofuran	7.268	42	33147	112.083	ug/l	97
30) Chloroform	7.421	83	96746	22.587	ug/l	97
31) Cyclohexane	7.701	56	68898	20.865	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	84194	21.727	ug/l	98
36) 1,1-Dichloropropene	7.835	75	65523	21.839	ug/l	98
37) Ethyl Acetate	6.988	43	24148	22.410	ug/l	97
38) Carbon Tetrachloride	7.817	117	79467	22.165	ug/l	95
39) Methylcyclohexane	9.109	83	75338	19.953	ug/l	93
40) Benzene	8.079	78	206390	22.006	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	10178	17.278	ug/l	#	74
42) 1,2-Dichloroethane	8.158	62	52252	22.502	ug/l		100
43) Isopropyl Acetate	8.195	43	47302	22.858	ug/l		98
44) Trichloroethene	8.866	130	55659	21.425	ug/l		95
45) 1,2-Dichloropropane	9.140	63	47168	22.742	ug/l		97
46) Dibromomethane	9.231	93	28643	22.061	ug/l		99
47) Bromodichloromethane	9.420	83	74034	22.825	ug/l		97
48) Methyl methacrylate	9.219	41	19984	20.890	ug/l		96
49) 1,4-Dioxane	9.244	88	5888	425.482	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	123141	113.516	ug/l		96
52) Toluene	10.170	92	134859	22.214	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	59031	21.218	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	73116	22.109	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	38454	22.173	ug/l		95
56) Ethyl methacrylate	10.438	69	40792	20.568	ug/l		97
57) 1,3-Dichloropropane	10.719	76	62382	22.437	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	104794	108.069	ug/l		100
59) 2-Hexanone	10.762	43	80325	112.262	ug/l		95
60) Dibromochloromethane	10.908	129	54387	22.651	ug/l		98
61) 1,2-Dibromoethane	11.012	107	36377	22.218	ug/l		99
64) Tetrachloroethene	10.646	164	65477	22.405	ug/l		96
65) Chlorobenzene	11.444	112	148671	21.460	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	54779	22.460	ug/l		99
67) Ethyl Benzene	11.518	91	233947	20.644	ug/l		100
68) m/p-Xylenes	11.627	106	192656	42.722	ug/l		99
69) o-Xylene	11.957	106	85003	20.451	ug/l		97
70) Styrene	11.969	104	146776	21.032	ug/l		99
71) Bromoform	12.133	173	31521	22.230	ug/l	#	98
73) Isopropylbenzene	12.255	105	227948	20.953	ug/l		100
74) N-amyl acetate	12.072	43	39824	21.306	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41636	22.700	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	31061m	22.270	ug/l		
77) Bromobenzene	12.530	156	58809	21.393	ug/l		97
78) n-propylbenzene	12.597	91	277323	21.406	ug/l		100
79) 2-Chlorotoluene	12.682	91	162059	21.509	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	193096	21.542	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	12330	21.289	ug/l		96
82) 4-Chlorotoluene	12.780	91	171823	21.938	ug/l		100
83) tert-Butylbenzene	12.999	119	167936	20.890	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	194646	21.710	ug/l		99
85) sec-Butylbenzene	13.176	105	251857	21.410	ug/l		99
86) p-Isopropyltoluene	13.292	119	207628	20.785	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	121365	21.737	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	120102	21.720	ug/l		99
89) n-Butylbenzene	13.615	91	183111	20.508	ug/l		99
90) Hexachloroethane	13.877	117	47889	21.820	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	106964	21.965	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6603	22.628	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	55017	19.937	ug/l		99
94) Hexachlorobutadiene	15.023	225	35158	20.708	ug/l		99
95) Naphthalene	15.145	128	86483	18.866	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	47559	19.966	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
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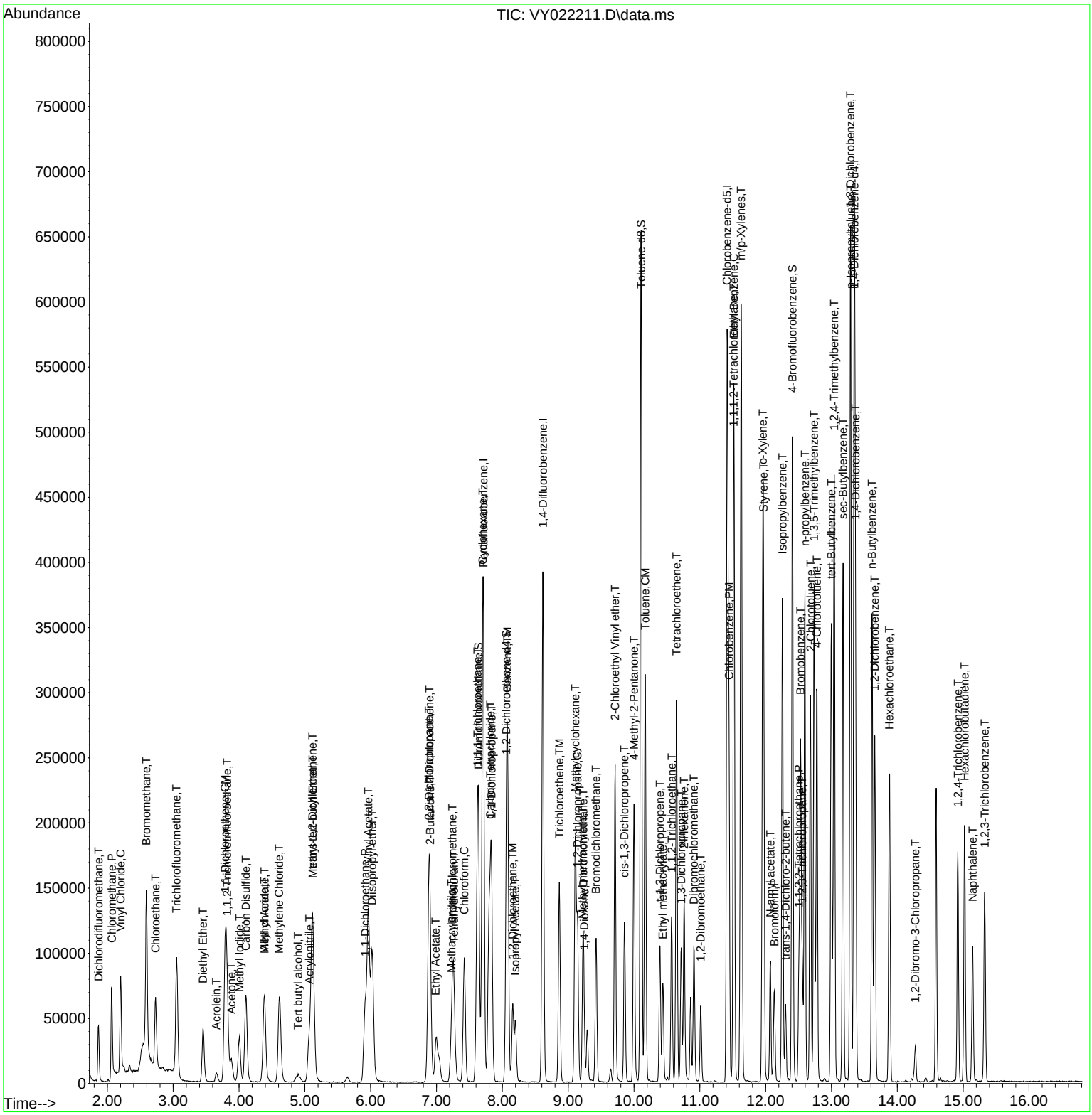
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vy051225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022208.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:51 PM	Sam	5/13/2025 2:16:12 PM	Peak Integrated by Software
VY0512SBS01	VY022210.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:53 PM	Sam	5/13/2025 2:16:12 PM	Peak Integrated by Software
VY0512SBSD01	VY022211.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:55 PM	Sam	5/13/2025 2:16:15 PM	Peak Integrated by Software
VSTDCCC050	VY022231.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:58 PM	Sam	5/13/2025 2:16:17 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM				
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM				
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022207.D	12 May 2025 07:56	SY/MD	Ok
2	VSTDCCC050	VY022208.D	12 May 2025 08:26	SY/MD	Ok,M
3	VY0512SBL01	VY022209.D	12 May 2025 08:57	SY/MD	Ok
4	VY0512SBS01	VY022210.D	12 May 2025 09:28	SY/MD	Ok,M
5	VY0512SBSD01	VY022211.D	12 May 2025 09:51	SY/MD	Ok,M
6	Q1978-01	VY022212.D	12 May 2025 10:31	SY/MD	Not Ok
7	Q1976-01RE	VY022213.D	12 May 2025 10:54	SY/MD	Confirms
8	Q1983-02	VY022214.D	12 May 2025 11:16	SY/MD	ReRun
9	Q1983-08	VY022215.D	12 May 2025 11:39	SY/MD	Not Ok
10	Q1983-14	VY022216.D	12 May 2025 12:02	SY/MD	ReRun
11	Q1983-20	VY022217.D	12 May 2025 12:24	SY/MD	ReRun
12	Q1983-26	VY022218.D	12 May 2025 12:47	SY/MD	ReRun
13	Q1983-32	VY022219.D	12 May 2025 13:10	SY/MD	ReRun
14	Q1983-38	VY022220.D	12 May 2025 13:32	SY/MD	ReRun
15	Q1983-44	VY022221.D	12 May 2025 13:55	SY/MD	Ok
16	Q1983-50	VY022222.D	12 May 2025 14:17	SY/MD	Ok
17	Q1986-01	VY022223.D	12 May 2025 14:40	SY/MD	ReRun
18	Q1986-03	VY022224.D	12 May 2025 15:03	SY/MD	ReRun
19	Q1986-05	VY022225.D	12 May 2025 15:25	SY/MD	ReRun
20	Q1986-07	VY022226.D	12 May 2025 15:48	SY/MD	Not Ok
21	Q1986-09	VY022227.D	12 May 2025 16:11	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM				
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2002-01	VY022228.D	12 May 2025 16:33	SY/MD	ReRun
23	Q1980-06	VY022229.D	12 May 2025 16:56	SY/MD	ReRun
24	Q1987-01	VY022230.D	12 May 2025 17:19	SY/MD	Ok
25	VSTDCCC050	VY022231.D	12 May 2025 18:04	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM		
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022207.D	12 May 2025 07:56		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022208.D	12 May 2025 08:26		SY/MD	Ok,M
3	VY0512SBL01	VY0512SBL01	VY022209.D	12 May 2025 08:57		SY/MD	Ok
4	VY0512SBS01	VY0512SBS01	VY022210.D	12 May 2025 09:28		SY/MD	Ok,M
5	VY0512SBSD01	VY0512SBSD01	VY022211.D	12 May 2025 09:51		SY/MD	Ok,M
6	Q1978-01	72-12016	VY022212.D	12 May 2025 10:31	vial-B Not purged	SY/MD	Not Ok
7	Q1976-01RE	VNJ-207RE	VY022213.D	12 May 2025 10:54	vial-B ISTD Fail	SY/MD	Confirms
8	Q1983-02	OR-636-VOC-01	VY022214.D	12 May 2025 11:16	vial-A Internal standard fail	SY/MD	ReRun
9	Q1983-08	OR-636-VOC-02	VY022215.D	12 May 2025 11:39	vial-A Not purge	SY/MD	Not Ok
10	Q1983-14	OR-636-VOC-03	VY022216.D	12 May 2025 12:02	vial-A Internal standard fail	SY/MD	ReRun
11	Q1983-20	OR-636-VOC-04	VY022217.D	12 May 2025 12:24	vial-A Internal standard fail	SY/MD	ReRun
12	Q1983-26	OR-636-VOC-05	VY022218.D	12 May 2025 12:47	vial-A Internal standard fail	SY/MD	ReRun
13	Q1983-32	OR-636-VOC-06	VY022219.D	12 May 2025 13:10	vial-A Internal standard fail	SY/MD	ReRun
14	Q1983-38	OR-636-VOC-07	VY022220.D	12 May 2025 13:32	vial-A Internal standard fail	SY/MD	ReRun
15	Q1983-44	OR-636-VOC-08	VY022221.D	12 May 2025 13:55	vial-A	SY/MD	Ok
16	Q1983-50	OR-636-VOC-09	VY022222.D	12 May 2025 14:17	vial-A	SY/MD	Ok
17	Q1986-01	COMP-8	VY022223.D	12 May 2025 14:40	vial-A Internal standard fail	SY/MD	ReRun
18	Q1986-03	COMP-9	VY022224.D	12 May 2025 15:03	vial-A Internal standard fail	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM		
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1986-05	COMP-10	VY022225.D	12 May 2025 15:25	vial-A Internal standard fail	SY/MD	ReRun
20	Q1986-07	COMP-11	VY022226.D	12 May 2025 15:48	vial-A not req	SY/MD	Not Ok
21	Q1986-09	VNJ-218	VY022227.D	12 May 2025 16:11	vial-A Internal standard fail	SY/MD	ReRun
22	Q2002-01	EO-02-05092025	VY022228.D	12 May 2025 16:33	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
23	Q1980-06	3836	VY022229.D	12 May 2025 16:56	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
24	Q1987-01	GC1	VY022230.D	12 May 2025 17:19	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY022231.D	12 May 2025 18:04		SY/MD	Ok,M

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LAB CHRONICLE

OrderID:	Q1987	**OrderDate:**	5/8/2025 1:07:00 PM
Client:	G Environmental	**Project:**	Hillside
Contact:	Gary Landis	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1987-01	**GC1**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group1	8260D			05/12/25	